



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/796,044	03/10/2004	Murray Figov	27746	2732
7590 05/06/2005				
G.E. EHRLICH (1995) LTD. c/o ANTHONY CASTORINA SUITE 207 2001 JEFFERSON DAVIS HIGHWAY ARLINGTON, VA 22202		EXAMINER CRENSHAW, MARVIN P		
		ART UNIT PAPER NUMBER		
		2854		

DATE MAILED: 05/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

24

<b>Office Action Summary</b>	<b>Application No.</b> 10/796,044	<b>Applicant(s)</b> FIGOV ET AL.	
	<b>Examiner</b> Marvin P. Crenshaw	<b>Art Unit</b> 2854	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 10 March 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1 - 15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 - 2, 8, 9, 11 - 13 and 15 is/are rejected.
- 7) ☒ Claim(s) 3 - 7, 10 and 14 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>3/18/2005</u> . | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Allowable Subject Matter***

Claims 3 – 7, 10 and 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is an examiner's statement of reasons for allowance:

With respect to claim 3, the prior art does not teach or render obvious the total combination as claimed including a plate wherein said first coating comprises an aqueous mixture of hydrophobic emulsion, surfactant, aminoplast, polyacrylic acid and polyvinyl alcohol.

With respect to claim 4, the prior art does not teach or render obvious the total combination as claimed including a plate having a second coating comprising a mixture of water-soluble hydrophilic polymer, water-soluble hydroxyl containing organic compound, solid, organic, non-ionic water-soluble and hydrophilic material and binder resin.

With respect to claim 10, the prior art does not teach or render obvious the total combination as claimed including a plate additionally comprising a third coating, over said second coating, said third coating comprising less than 0.005 pnms/square meter of silicone deposited from solvent.

With respect to claim 14, the prior art does not teach or render obvious the total combination as claimed including a method wherein said step of removing comprises treating said second coating with gum.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 2, 8, 9, 11, 12, 13 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakayama et al. (6,420,091) in view of Arimatsu et al. (5,312,654).

Nakayama et al. teaches a plate for imaging with an inkjet printer using pigment-based aqueous inkjet ink, comprising pre-treated aluminum base (See col. 1, lines 30 – 36), a first coating over said base, comprising organic-based polymer (See col. 21, lines 8 – 15), said polymer capable of being dried to a hydrophilic film (See col. 3, lines 12 – 22) and a second coating over said first coating (See col. 5, lines 50 – 65).

However, Nakayama et al. does not teach a second coating deposited from water.

Arimatsu et al. teaches a second coating deposited from water (Col. 8, lines 35 – 40).

It would have been obvious to modify Nakayama et al. to have a second coating deposited from water as taught by Arimatsu et al. so as to provide an efficient means for preparing the printing plate image to be eliminated.

With respect to claim 2, Nakayama et al. teaches the plate wherein said pre-treatment comprises pre-treatment with phosphoric acid (See page 10).

With respect to claim 8, Nakayama et al. does not teach a plate additionally comprising a silicone system that exists as an emulsion.

Arimatsu et al. teaches a plate additionally comprising a silicone system (See col. 7, lines 45 – 56) that exists as an emulsion.

It would have been obvious to modify Nakayama et al. to have a plate additionally comprising a silicone system that exists as an emulsion as taught by Arimatsu et al. to provide an efficient means to prevent the ink from spreading horizontally and causing the resolution of the plate to deteriorate.

With respect to claim 9, Nakayama teaches a plate additionally comprising biocide (See col. 8, lines 8 – 15).

With respect to claim 11, Nakayama et al. teaches a process for producing a plate for imaging with an inkjet printer using pigment-based aqueous inkjet ink, comprising the steps of providing a pre-treated aluminum base (See col. 1, lines 30 – 36), coating said base with a first organic-based polymer (See col. 21, lines 8 – 15) coating and heating said first coating to create a dry hydrophilic film therefrom (See col. 3, lines 12 – 22).

However, Nakayama et al. doesn't teach coating said dried first coating with a second coating deposited from water.

Arimatsu et al. teaches a second coating deposited from water (Col. 8, lines 35 – 40).

It would have been obvious to modify Nakayama et al. to have a second coating deposited from water as taught by Arimatsu et al. so as to provide an efficient means for preparing the printing plate image to be eliminated.

With respect to claim 12, Nakayama et al. teaches a method of reduced dot-size imaging a plate with an inkjet printer, comprising the steps of producing a plate by using a process wherein imaging said plate with said inkjet printer using pigment-based aqueous inkjet ink, heating said imaged plate and removing said second coating (See Col. 3, lines 58 - 67).

With respect to claim 13 and 15, Nakayama et al. does not teach a method wherein said step of removing comprises washing said second coating with water or a fount during printing.

Arimatsu et al. teaches a method wherein said step of removing comprises washing said second coating with water or a fount during printing (See col. 8, lines 27 – 35).

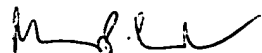
It would have been obvious to modify Nakayama et al. to have the step of removing comprises washing said second coating with water or a fount during printing as taught by Arimatsu et al. so as to provide an efficient means for preparing the printing plate image to be eliminated.

**Conclusion**


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marvin P. Crenshaw whose telephone number is (571) 272-2158. The examiner can normally be reached on Monday - Thursday 7:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



MPC  
April 25, 2005



ANDREW H. HIRSHFELD  
SUPERVISORY PATENT  
TECHNOLOGY CENTER